POSITIONS OPEN

PHYSICIST

An International Manufacturer needs a Physicist who has experience in Solid State Physics and/or experience in Crystallography and/or Ceramics. Our environment is good, fringe benefits better than average, salary commensurate with education and experience. Please reply, with details of education and experience, to Box 560A, Physics Today.

PHYSICIST SUPERVISING

Expanding Physics department of moderate sized industrial organization, Eastern U.S. needs a physicist with creative and administrative talent to supervise program of applied research. Studies are currently being made on semiconductors, electrical properties of high temperature materials, physical properties & crystal growth.

Send replies to **Physics Today, Box 560, 335 East 45 St., N.Y. 17, N.Y.**

MOLECULAR SPECTROSCOPIST FOR HIGH TEMPERATURE RESEARCH

Physicist with background in the spectra of small molecules is needed to conduct basic research on the spectra of high temperature systems. Current projects include investigation of plasmas, flames, detonations, and heated gases. Working knowledge of vibration-rotation spectra and familiarity with infrared instrumentation is desirable. Salary and specific responsibilities will depend upon the individual. Send resume to Laboratory Manager.

THE WARNER & SWASEY COMPANY
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TEACHING AND RESEARCH in expanding undergraduate Liberal Arts Christian College. One Instructor or Assistant Professor (Ph.D. or near Ph.D.) and one Associate Professor or Professor. Ph.D. September 1960. Send resumé, salary requirements to Dr. Frank F. Warren, President, Whitworth College, Spokane, Washington.

reactions in gases, low-temperature studies, radiation-induced decomposition of crystalline solids, and vacuum ultraviolet photochemistry.

Also scheduled at New Hampton School are conferences on Chemistry of Coal (June 13–17), Proteins and Nucleic Acids (June 27–July 1), Statistics in Chemistry and Chemical Engineering (July 11–15), Organic Reactions and Processes (July 25–29), Steroids and Other Natural Products (August 1–5), Organic Coatings (August 8–12), Analytical Chemistry (August 15–19), Inorganic Chemistry (August 22–26), and Adhesion (August 29–Sept. 2).

Kimball Union Academy

Physical Metallurgy—Relation of Structure and Properties (June 27–July 1): impurities and defects in superconductors, resistance minimum in dilute paramagnetic alloys, thermoelectric phenomena at low temperatures, deformation, dislocation, shock loading, oxidation, fracture, thin films, and dispersions and creep.

High-Pressure Research (July 18–22): diamond synthesis, new high-pressure techniques and experiments, phase transitions, geophysical research at UCLA, high-pressure resonance work at Harvard, and the physical and chemical effects of underground nuclear explosions.

Chemistry and Metallurgy of Semiconductors (July 25–29): crystal growth, impurity phenomena, surface chemistry, chemical bonding in semiconductors, and correlation of physicochemical and electronic properties.

Solid-State Studies in Ceramics (August 1–5): macrostructure and microstructure of crystalline materials and mechanical, magnetic, ferroelectric, and dielectric properties of ceramics.

Chemistry and Physics of Solids—Point Defects (August 8–12): will include a round-table review of dielectric relaxation and internal friction and papers dealing with studies of point defects in various materials.

Infrared Spectroscopy (August 22–26): theory and applications, recent advances in infrared research, and a progress report on the status of infrared masers.

Also included in the Kimball program are conferences on Lipide Metabolism (June 13–17), Cell Structure and Metabolism—Secretion (June 20–24), Chemistry at Interfaces (July 4–8), Chemistry, Physiology, and Structure of Bones and Teeth (July 11–15), Toxicology and Safety Evaluations (August 15–19), and High-Temperature Chemistry—Kinetics of Vaporization and Condensation Processes (August 29–Sept. 2).

Attendance at each conference will be limited to about 100 persons and those interested in attending are requested to submit their applications at least two months prior to the date of the particular meeting. Requests for the required application forms or for additional information should be addressed to the director of the Gordon Research Conferences, W. George Parks, Department of Chemistry, University of Rhode Island, Kingston, R. I. (From June 13 to September 2, communications to Dr. Parks should be addressed to Colby Junior College, New London, N. H.)

Atomic and Molecular Gas Beams

EXTRA-NUCLEAR effects will be stressed at the Atomic and Molecular Beams Symposium to be held June 20–22 at the Park Lane Hotel, Denver, Colo., under the cosponsorship of the National Aeronautics and Space Administration and the Denver Research

POSITIONS OPEN—*Continued*

Institute. Included will be discussions of inelastic gas-gas collisions, kinetics of chemical reactions, gas-surface interactions, and the apparatus employed in studying such phenomena. The following speakers have been invited: Sheldon Datz (Oak Ridge National Laboratory), Frank Hurlbut (University of California), and Wade Fite (General Atomic).

Further information may be obtained from the conference chairman, Glenn H. Miller, Denver Research Institute, University Park, Denver 10, Colo.

Coherence in Electromagnetic Radiation

A CONFERENCE on Coherence Properties of Electromagnetic Radiation will be held June 27–29 at the Institute of Optics, University of Rochester, under the joint sponsorship of the Optical Society of America, the US Air Force, and the University. Attendance will be limited by the available facilities and only invited papers will be presented. The program will cover various aspects of coherence, with emphasis on coherent scattering, stimulated emission, propagation of partially coherent light, intensity interferometry, and coherence problems of instrumental optics and of radio astronomy. Further particulars can be obtained by writing to Miss H. Tobin, Institute of Optics, University of Rochester, Rochester 20, N. Y.

Electron Microscope Society of America

MAY 15 is the deadline for receipt of titles and abstracts of contributed papers for the 1960 annual meeting of the Electron Microscope Society of America, an affiliated society of the American Institute of Physics. The meeting will be held August 29–31 in the Brooks Memorial Union Building at Marquette University in Milwaukee, Wisc.

In addition to the usual open technical sessions, a special open session of short papers on interesting, useful, and unusual electron microscopic techniques is planned. As special features of the meeting, three symposia are being planned on the structure of teeth and bone, recent developments in electron metallography, and theory and applications of electron diffraction.

Abstracts should be sent to the program chairman, Prof. W. C. Bigelow, Department of Chemical and Metallurgical Engineering, The University of Michigan, Ann Arbor, Mich.

Hot-Atom Chemistry

SPECIAL studies of radiation used in efforts to improve chemicals with wide applications in industry will be discussed at a Symposium on the Chemical Effects of Nuclear Transformation to be held October 24–27 in Prague. The meeting, in which scientists will be invited to exchange information on "hot-atom" chemistry, is being organized by the International Atomic Energy Agency at the invitation of the Government of Czechoslovakia. The Agency, with headquarters at 11 Kärntner Ring, Vienna 1, Austria, serves as a clearing house for the exchange of information on the peaceful applications of atomic energy.